

Title (en)  
DISTRIBUTED COMPUTER SYSTEM FOR DOCUMENT AUTHENTICATION

Title (de)  
VERTEILTES COMPUTERSYSTEM ZUR DOKUMENTENAUTHENTIFIZIERUNG

Title (fr)  
SYSTÈME INFORMATIQUE DISTRIBUÉ D'AUTHENTIFICATION DE DOCUMENT

Publication  
**EP 4033376 A1 20220727 (EN)**

Application  
**EP 21305081 A 20210122**

Priority  
EP 21305081 A 20210122

Abstract (en)  
A method of automatically determining whether a document is genuine is provided. The method involves generating an image of the document, pre-processing of the image to obtain at least one segment of the image with an area of interest and dividing the at least one segment into portions containing single characters and/or combinations of characters. A validation of at least two single characters and/or at least two combinations of characters is performed for each of the single character and/or character combinations for at least two different categories. Score values are created for each category for each validated single character and/or character combination. Feature vectors are created for each single character and/or character combination, with the respective score values for each category as components. The method involves classifying the feature vectors to determine whether the single character or character combination to which the feature vector is associated is genuine.

IPC 8 full level  
**G06F 16/55** (2019.01); **G06F 16/583** (2019.01); **G07D 7/206** (2016.01)

CPC (source: EP US)  
**G06F 16/55** (2019.01 - EP); **G06F 16/5846** (2019.01 - EP); **G06V 10/26** (2022.01 - EP US); **G06V 10/762** (2022.01 - US); **G06V 10/82** (2022.01 - US); **G06V 30/19093** (2022.01 - US); **G06V 30/40** (2022.01 - EP); **G06V 30/413** (2022.01 - US); **G07D 7/0043** (2017.05 - EP); **G07D 7/206** (2017.05 - EP); **G06V 30/10** (2022.01 - EP)

Citation (applicant)  
US 2012059745 A1 20120308 - FREDERICKS MICHAEL [US], et al

Citation (search report)  
• [YA] EP 3511868 A1 20190717 - ONFIDO LTD [GB]  
• [YA] US 2007143158 A1 20070621 - CORDERY ROBERT A [US], et al  
• [XYI] BERTRAND ROMAIN ET AL: "A System Based on Intrinsic Features for Fraudulent Document Detection", 2013 12TH INTERNATIONAL CONFERENCE ON DOCUMENT ANALYSIS AND RECOGNITION, IEEE, 25 August 2013 (2013-08-25), pages 106 - 110, XP032502764, ISSN: 1520-5363, [retrieved on 20131010], DOI: 10.1109/ICDAR.2013.29

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 4033376 A1 20220727**; **EP 4033376 B1 20240619**; US 11995907 B2 20240528; US 2022237937 A1 20220728

DOCDB simple family (application)  
**EP 21305081 A 20210122**; US 202217569051 A 20220105